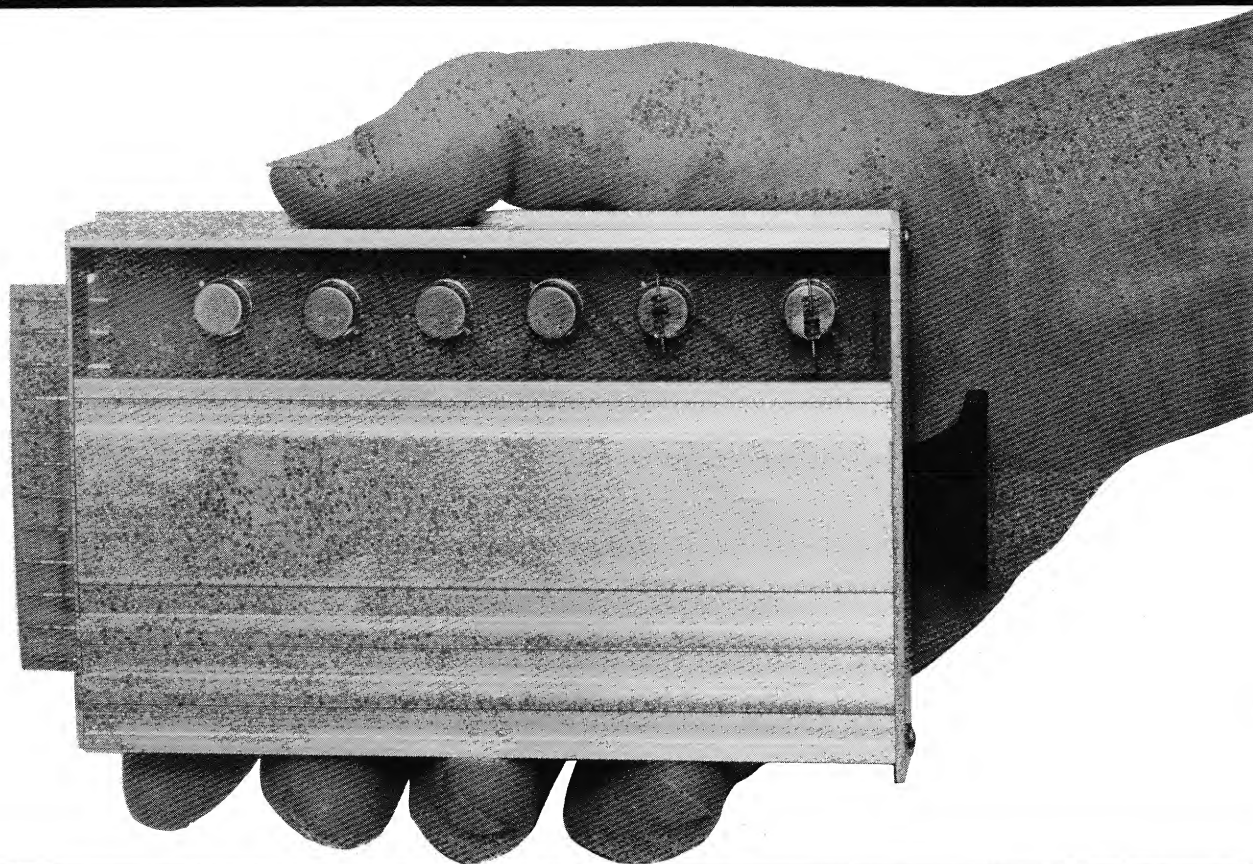




AMEGA

INTERCHANGEABLE MODULAR AMPLIFIER SYSTEM



AMPLIFIERS — MIXERS — CONSOLES

FOR MOTION PICTURE STUDIOS

THE AMEGA MODULE SYSTEM

Amega has been the pioneer of the interchangeable audio module. The units were developed for sound recording and international communications.

For motion picture recording, the entire studio can be standardized with only one type interchangeable amplifier. Heretofore, most recorders have been made up of integrated chassis coupled with the film transport. Input output impedances had variation from one unit to the other and different methods of equalizing were usually employed.

With the modular system, the basic amplifier terminates to a 12 pin plug. Transformers, equalizers and gain controls are coupled *externally* which achieves the versatility required. The module has 90 db gain and when coupled to the input transformer, totals 100 db which is adequate for the average low level microphone. As a recording amplifier, the cradle enclosure provides space for equalizing components, gain adjustments and the necessary plugs and receptacles. As a playback amplifier, low impedance heads can be directly coupled to the first stage of the amplifier. The gain control is interstage connected and the output transformer is connected through the cradle receptacle. Fixed gain adjustments can be made interstage and feed back adjusted as may be desired. The basic module is never changed.

For mixers and consoles, the module can be used as a microphone preamp, line amplifier, booster amplifier. A 600 ohms attenuator can be connected interstage and low impedance mixing networks can be accomplished.

Amega now offers complete individual assemblies from microphone to final output amplifier. Many studios have gone through a retro fit program installing these units for the complete audio chain. Low impedance heads are available for adaptation to existing film transports. Mixing components are also supplied with complete instructions.



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AMEGA

AMPLIFIERS

For

MOTION PICTURE RECORDING

MIXERS

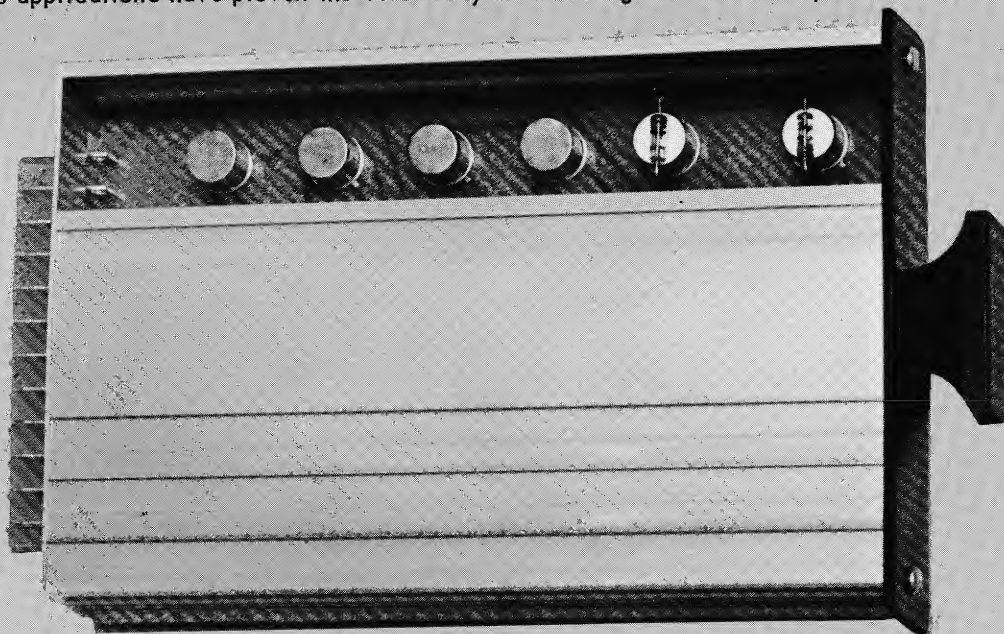
CONSOLES

RECORDERS

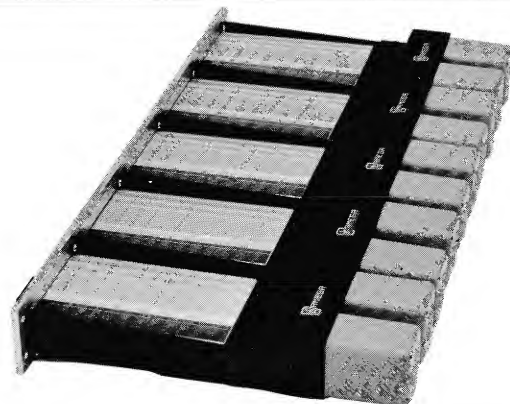
REPRODUCERS

Basic module shown with transistors exposed has Amega proprietary design including the extruded enclosure and end plates. The circuit board slides into special grooves and can be easily removed with two screws. Enclosure protects circuit board from flexing or mishandling which could damage printed circuit. Modules are unconditionally guaranteed for one year on an exchange basis.

With modular system, audio maintenance for a complete studio requires only one spare module. The reliability of transistors is undisputed. Computer, telemetering, instrumentation and communications applications have proven the versatility of the Amega module concept.



1 $\frac{3}{4}$ " x 19" will mount a two microphone input, record and reproduce audio system. Five line amplifiers can be likewise accommodated.



AMEGA E-1 MIXER



A NEW MIXER FOR PORTABLE OR STUDIO USE UTILIZING THE LATEST ENGINEERING ADVANCES. DESIGNED WITH "CONTINUED PERFORMANCE" FEATURES FOR MOTION PICTURE RECORDING AND DUBBING.

FOUR MICROPHONE INPUTS

FOUR BRIDGING INPUTS

TWO POSITION DIALOGUE EQUALIZATION WITH INDICATOR LIGHTS IN EACH CHANNEL

PLUG-IN TRANSISTOR AMPLIFIERS

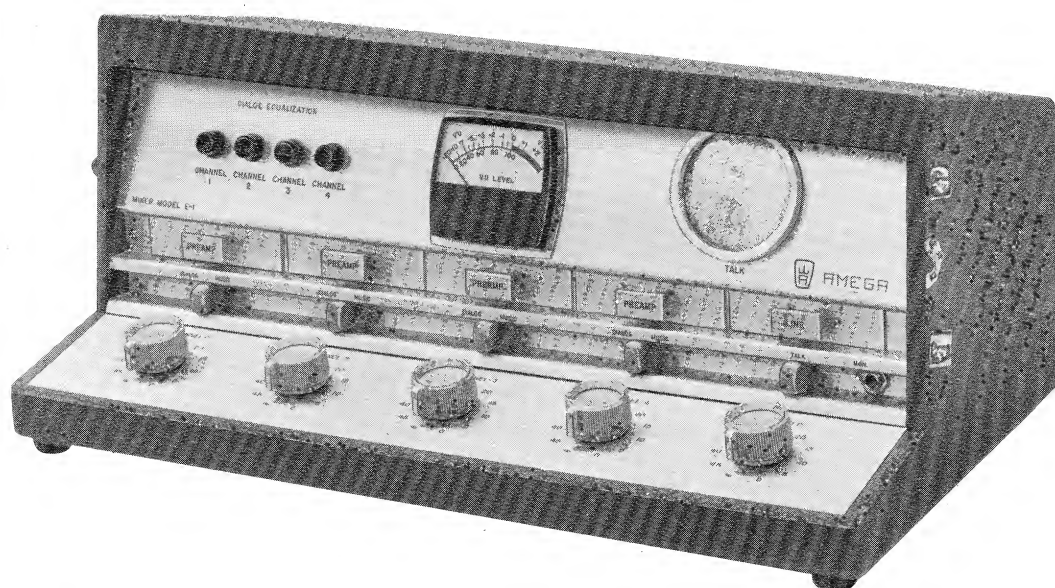
LOW HEAT AND POWER DRAIN

NO MICROPHONICS

MIC PREAMPS MAY BE SUBSTITUTED FOR LINE AMP

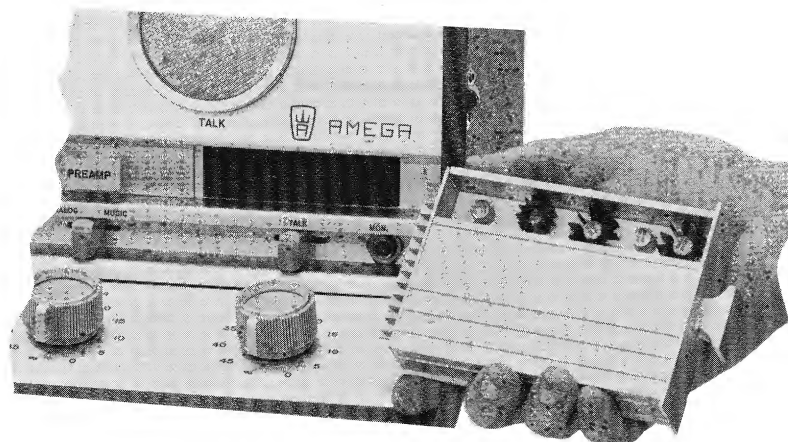
LEVEL SET/BLOOP OSCILLATOR

TALK/SLATE MICROPHONE



MICROPHONES, DUBBERS, TAPE RECORDERS, DISK PLAYBACK, ETC. CAN ALL BE MIXED SIMULTANEOUSLY. SEPARATE CONNECTORS FOR BRIDGE INPUTS MAY BE LEFT HOOKED UP IN STUDIO ALONG WITH MIC LINES.

ALL PLUG-IN PREAMP MODULES FOR AMEGA MIXERS ARE INTERCHANGEABLE WITH OTHER MIC AND PLAYBACK PREAMPS IN AMEGA RECORDERS OR DUBBERS.



QUALITY CANNON XLR CONNECTORS

TRANSISTOR RELIABILITY

STUDIO PERFORMANCE AND CONVENIENCE

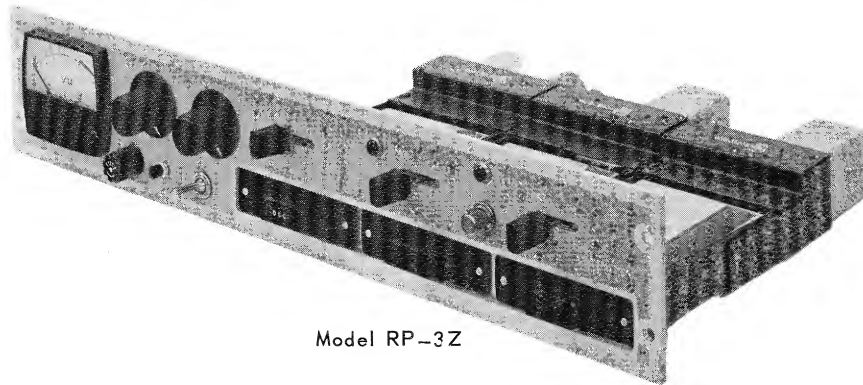
THE PLUG-IN MODULES HAVE SPECIAL "SPACE AGE" ENCLOSURES PROTECTING ALL COMPONENTS. TRANSISTORS ARE VENTILATED AND THERMAL PROTECTED BY A SPECIAL CIRCUIT FOR UTMOST RELIABILITY AND LOW MAINTENANCE.

AMEGA

"ZERO IN" "ZERO OUT"

STUDIO RECORD-REPRODUCE AMPLIFIER

600 ohms Transformer Input 600 ohms Transformer Output

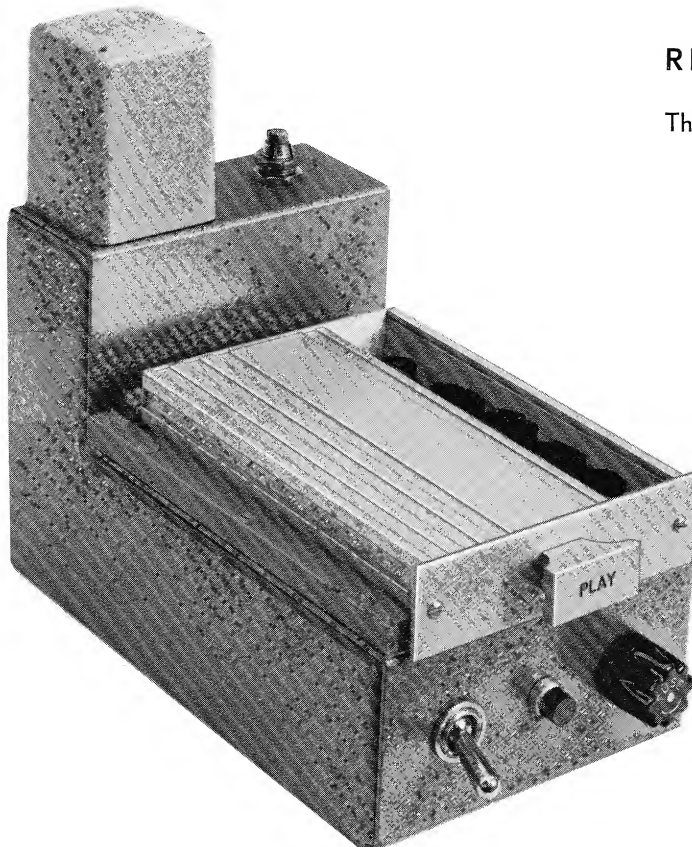


Model RP-3Z

Completely housed within a 3½" x 19" panel is a complete zero in zero out studio record reproduce system. Switching is provided for record play, film direct monitoring and bias read. Both record and play gain controls are located on the front panel.

This unit is ideal as a retro fit replacement for an existing vacuum tube type amplifier. The record play modules are interchangeable.

Erase heads can also be installed in existing equipment at a nominal cost. The same bias oscillator can be utilized for both recording bias and erase current requirements.



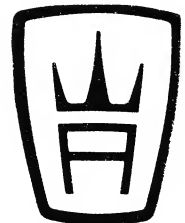
REPRODUCE AMPLIFIER

The unit pictured is completely self-contained, including power supply and interchangeable module for reproducing. Both low and high impedance heads can be equalized to meet SMPTE and other standards.

Output gain control is screw driven adjustment type and can be set for high level output after equalizer has been installed.

Signal to noise ratio of unit is -65 db.

Model PB-1





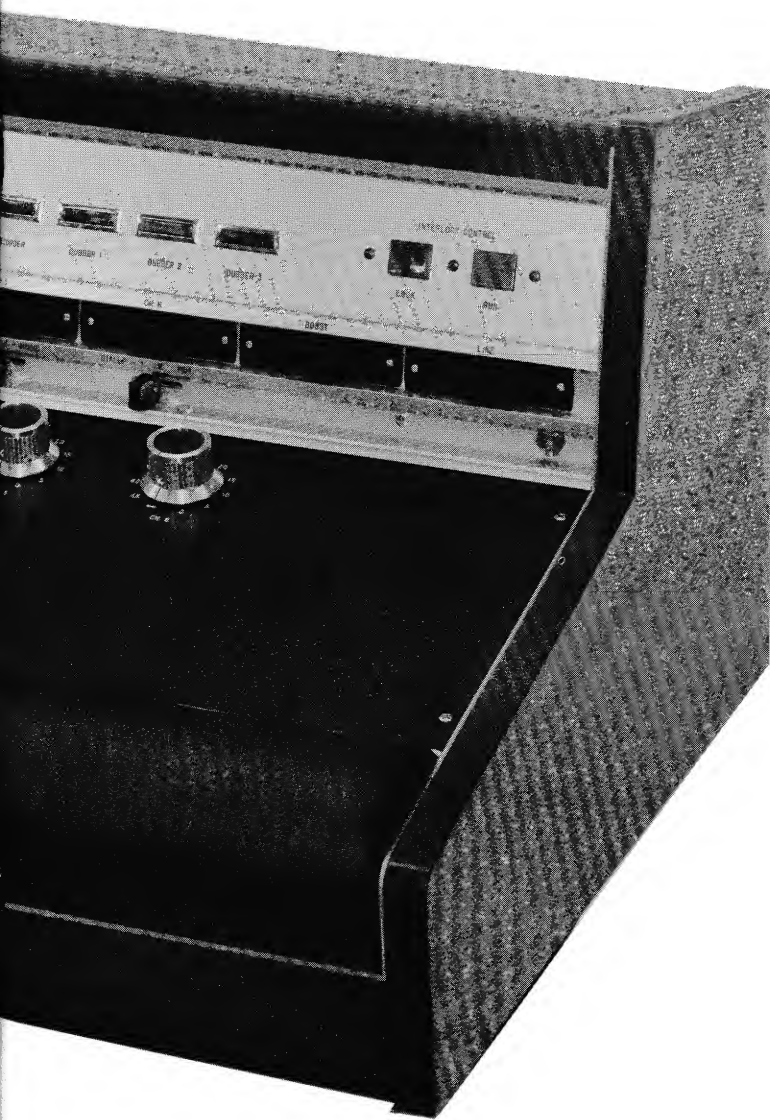
Amega consoles have been produced for many applications. The unit pictured has the basic requirements for dubbing, narration and re-recording. Three microphone input channels and three high level inputs are mixed with master gain control. The patch pay permits equalizer and secondary inputs to be bridged for mixing reproduce signals from record players, optical film, tape recorders and magnetic film reproducers. Microphone inputs for narration, foreign dialogue and special effects are also mixed through the master gain control.

Indicator lights show that dubbers and
Push button controls are included for in

AMEGA

MOTION

PICT



Rotary or slide type attenuators can be ordered depending on the operator's preference. Key type switching for equalizer "in" equalizer "out" can be specified. The master gain control can be a slide type attenuator.

The standard Amega console is constructed of walnut and finished to beautify the most elaborate studio. A foam rubber padded arm rest is standard for all models. The control panel is black anodized aluminum finished to be durable and to emphasize all indicators and calibrations.

Slide type equalizers can be included either on the right hand or left hand side of the control panel. The patch bay can be wired for equalization ahead of each input, interstage as well as complete program equalization for the console output. Write the Amega "Workshop" for additional details.

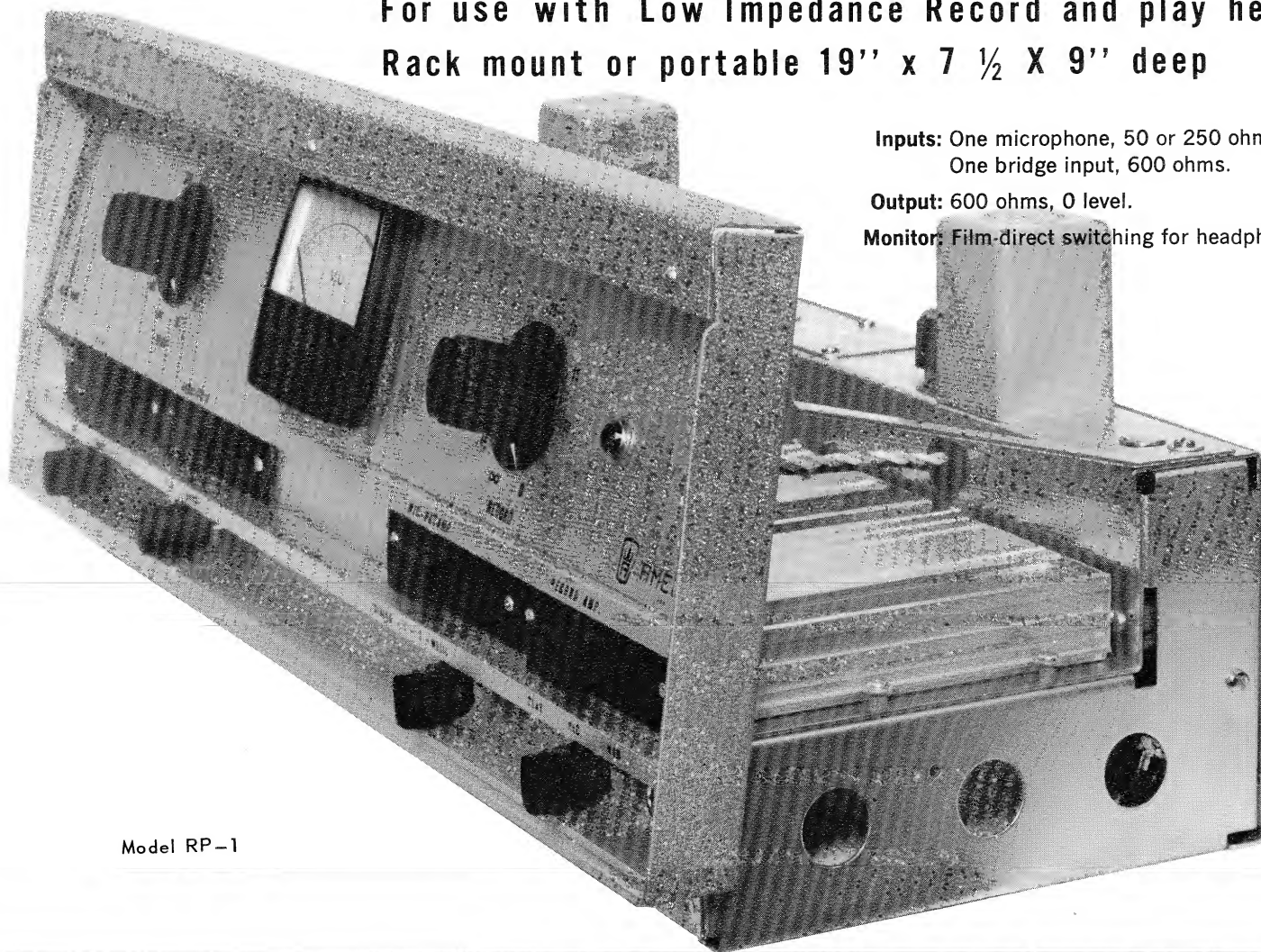
the recorder are threaded and in standby.
erlock and run functions.

ATURE STUDIO CONSOLES

AMEGA

RECORD REPRODUCE AMPLIFIER

For use with Low Impedance Record and play heads
Rack mount or portable 19" x 7 1/2" X 9" deep



Model RP-1

Inputs: One microphone, 50 or 250 ohms.

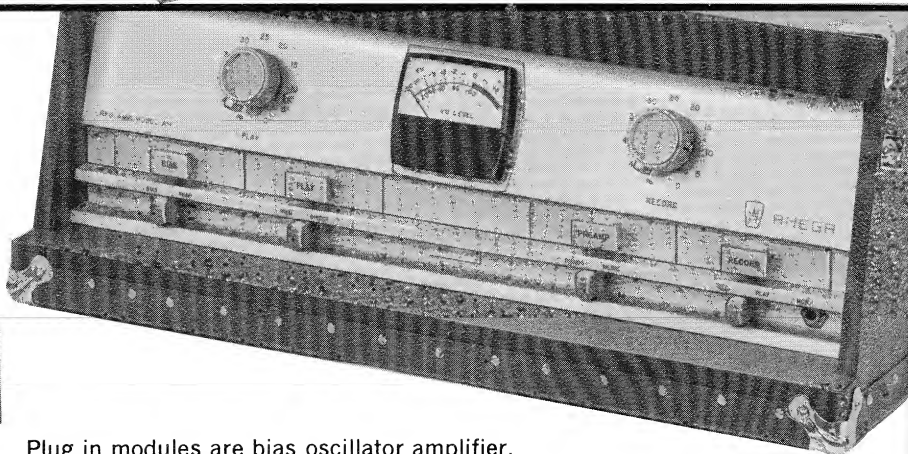
One bridge input, 600 ohms.

Output: 600 ohms, 0 level.

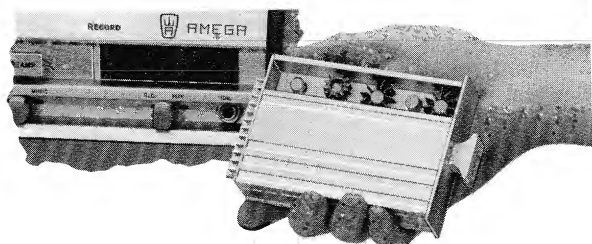
Monitor: Film-direct switching for headphones.

AMPLIFIER

Microphone input channel has dialogue-music equalization. Switch is located on the front panel.

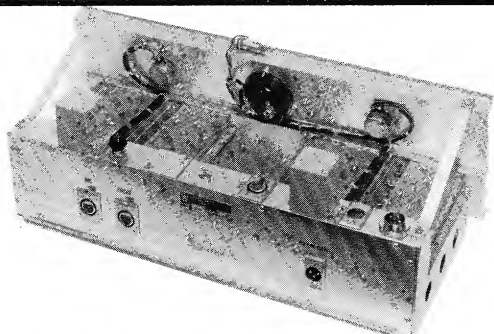


Plug in modules are bias oscillator amplifier, record amplifier, microphone preamplifier and playback preamplifier with gain control.



Rear View Model Amplifier

Both microphone and bridge input receptacles are provided. Unit furnished complete with power supply and Cannon input output receptacles for record and play heads.



AMEGA TWO CHANNEL RECORD AMPLIFIER MIXER

... has two microphone input channels with master gain control. Solid state transistorized amplifiers, bridging inputs for high level signals, output 600 ohms, 0 level. Head phones for monitoring direct or film signals. Transistorized power amplifier for speaker monitor and output.

Amplifier panel has upper recess illumination with lamps for meter and other controls.

V-U meter reads Bias for Record Oscillator.

Amplifier bias oscillator, Record amplifier, Play-back pre-amplifier and Microphone pre-amplifiers plug in the front panel.

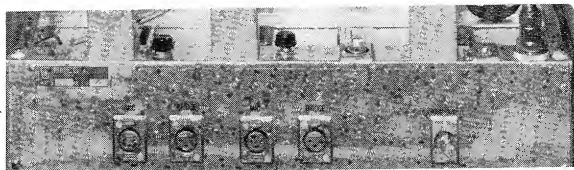
Dialogue equalization for each input channel.

All plug in modules for recorder, mixers and re-recorders are interchangeable.

Plug-in amplifiers have special aluminum enclosure; transistors are exposed for ventilation. Circuit board is in groove and can be removed if necessary.

Model RP-2

Inputs: Two microphones, 50 or 250 ohms.
Two bridge inputs, 600 ohms.
Output: 600 ohms, 0 level. Speaker output, 2 watts.
Monitor: Film-direct switching for headphones.



Rear View

Model Amplifier

Record amplifier mixer is complete with input output transformers and separate receptacles for microphone and bridge inputs. System is complete for average studio master recording requirements.





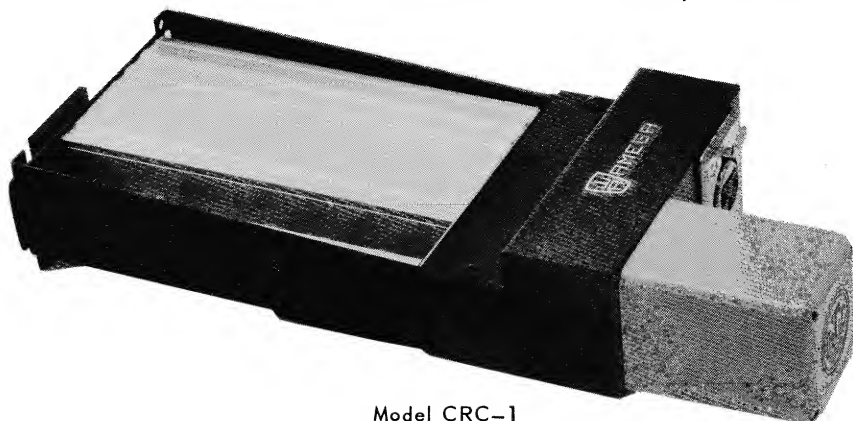
AMEGA

MODULAR STUDIO

MODERNIZE PRESENT EQUIPMENT AND STANDARDIZE THE
AMPLIFIERS CAN BE EQUALIZED FOR ANY STANDARD 16
AND ERASE ONE POWER SUPPLY FOR RECORD, ERASE AND

RECORD AMPLIFIER

Module with cradle is complete with input transformer, and input receptacle. For a replacement recording amplifier, unit requires Amega bias oscillator.

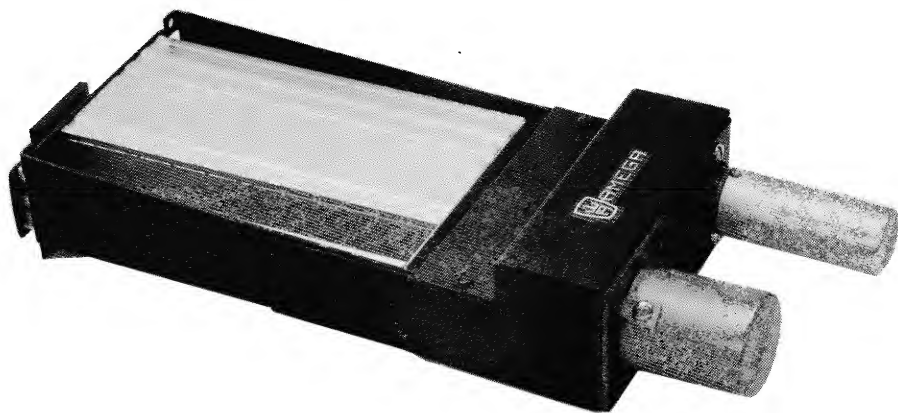


Model CRC-1

BIAS OSC

The Amega bias oscillator is basic for all magnetic recording applications. Bias current can be adjusted for both low and high impedance heads.

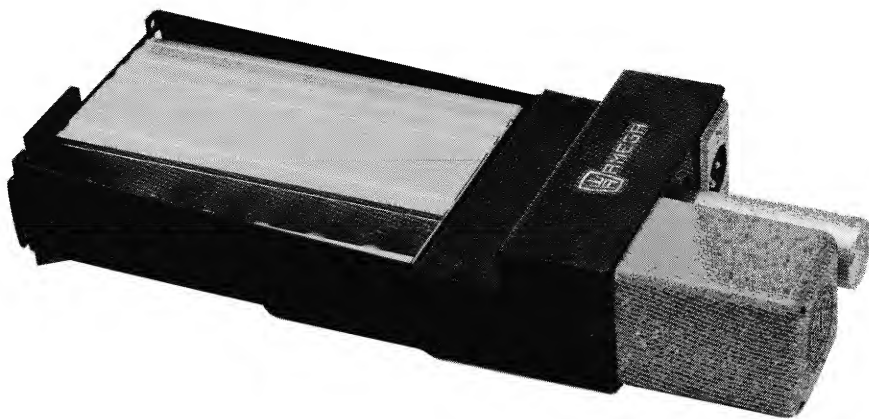
Bias erase module is also available. Special erase head design and adequate erase current permit erasure equal to bulk methods.



Model CBO-1

REPRODUCE AMPLIFIER

Playback pre amplifier is complete with "600 ohm output" and "head input" receptacles. Output through transformer is 600 ohms zero level. Equalizer can be adjusted for SMPTE or other standards. This unit is ideal for achieving constant results where one or more reproducers are employed.



Model CPL-1

AMPLIFIERS FOR MIXERS - RECORDERS DUBBERS CONSOLES LINE AMPLIFIERS

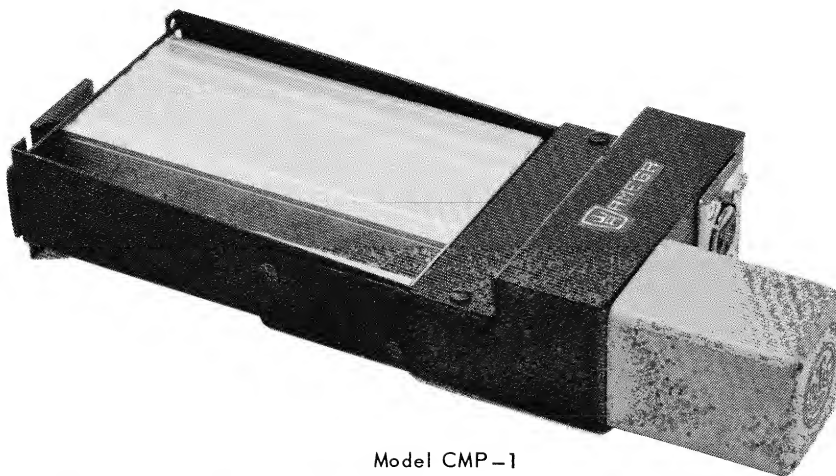
STUDIO AUDIO SYSTEM RECORD AND PLAY

OR 35MM BIAS OSC CAN BE USED FOR RECORD

PLAY

MICROPHONE PREAMP

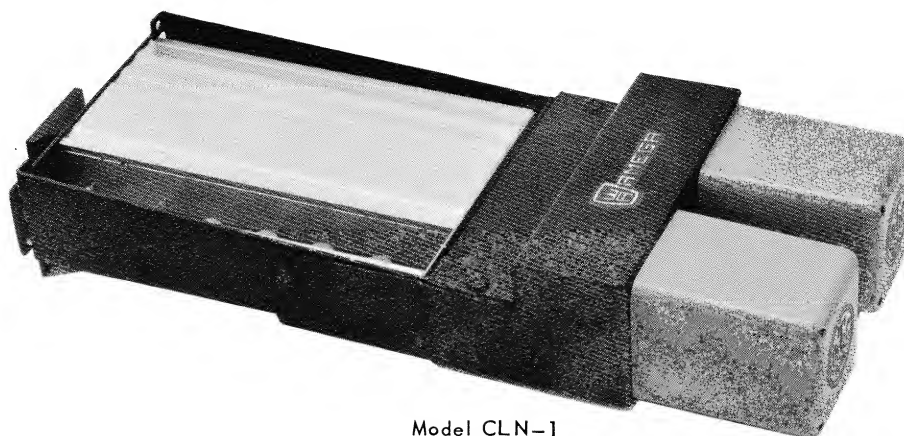
Noise free recording using low level output professional microphone can now be achieved with transistor preamplifiers. Signal to noise ratio -65 db. Gain with input transformer 100 db. 600 ohms attenuators may be connected for interstage gain control.



Model CMP-1

LINE AMPLIFIER

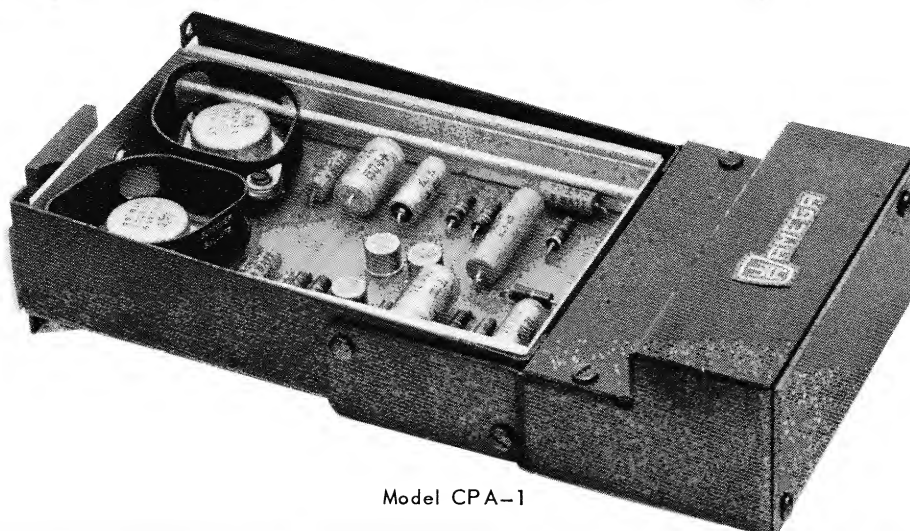
Line amplifier 600 ohms input and 600 ohms output. 45 or 90 db gain. Can be used as booster amplifier for equalizers and mixing networks.



Model CLN-1

POWER AMPLIFIER

Monitor power amplifier has 2 watts output and flat response. Speaker connection 4 to 16 ohms. Unit is ideal for monitoring booth or small screening rooms.



Model CPA-1

PLEASE SEND ADDITIONAL INFORMATION

ON AMEGA MODULAR AMPLIFIER SYSTEMS

Please send additional data:

Record Amplifier_____

Microphone Preamp_____

Reproduce Amplifier_____

Line Amplifier_____

Power Amplifier_____

Please send data on retro fit audio for the following type equipment.

Note: Please list existing studio equipment by model number. Complete instructions for replacement with Amega modular amplifiers will be sent.

Reproducers_____

Mixers_____

Recorders_____

Consoles_____

Accessories_____

TO: _____



AMEGA

The most progressive name in Motion Picture Sound

Manufacturers of Motion Picture Sound Devices

AN AFFILIATE OF OMEGA ENGINEERING COMPANY

11817 WICKS STREET / SUN VALLEY, CALIFORNIA

WARRANTY:

All Amega components are tested before and after assembly. The complete recorder is tested to meet industry standards. All parts have a one year guarantee. Defective transistor boards for bias oscillator, record amplifier, play amplifier and microphone pre-amplifier will be replaced as complete boards by your dealer or the factory.

Defective mechanical and electronics components will be replaced on exchange basis. Replacement parts will be shipped air mail without charge to the customer to any part of the world. Record and play heads are guaranteed except for normal wear. No claims under the guarantee will be entertained if parts have been misused or abused.